

NWS Form E-5

(04-2006)

(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

San Angelo, TX

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

March

2011

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

April 18, 2011

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

☒ An X inside this box indicates that no flooding occurred within this hydrologic service area.

Dry conditions continued into March. Most areas in the San Angelo hydrologic service area (HSA) received below normal precipitation for the month. Temperatures during March averaged above normal. Dry frontal systems passed across the area numerous times, but only a few helped to produce some scattered thunderstorms and light rain showers. Late on the 18th, a cold front moved in to the HSA producing a few severe thunderstorms and rain showers. These storms were generally located across Nolan, Taylor, Coke, Runnels, Callahan and Coleman Counties. The heaviest rain occurred along a Roscoe to Ballinger line where one to one and a half inches of precipitation was estimated. A few areas also received hail up to quarter size.

The U.S. Drought Monitor showed drought conditions intensifying across the HSA during the month. By the end of March, extreme drought conditions covered much of the southern half of the HSA. The remainder of the area was depicted as experiencing moderate to severe drought conditions.

The average precipitation reported from coop observers in March was 0.14 of an inch. The highest monthly precipitation total of 0.75 of an inch was reported in Runnels County. Coop observers in Nolan, Coke and Runnels Counties received over half an inch of precipitation in March.

The San Angelo Regional Airport received 0.10 of an inch of rain during March, which was 0.89 of an inch below normal for the month. The monthly normal rainfall for San Angelo in March is 0.99 of an inch.

The Abilene Regional Airport received 0.41 of an inch of rain during March, which was 1.00 inch below normal for the month. The monthly normal rainfall for Abilene in March is 1.41 inches.

Junction received only a trace of rain during March. The estimated average monthly rainfall in March is about 1.25 to 1.5 inches.

Coop Observer Rainfall Totals for March, 2011:

Station Name	Amount (in)		Station Name	Amount (in)
Abilene 2	0.50		Mertzon 12WNW	0.03
Acton Ranch	0.00		Oak Creek Lake	0.32
Albany	0.38		Ozona	0.00
Anson	0.17		Ozona 22SE	0.00
Ballinger 2NW	0.04		Paint Rock	0.07
Brady	0.02		Putnam	0.16
Brownwood	0.03		Red Bluff Crossing	0.16
Burkett	0.16		Robert Lee	0.53
Coleman	0.05		Roscoe	0.55
Concho Park	0.08		Rotan	0.07
Eden	0.10		San Angelo WFO	0.09
Eldorado	0.00		San Saba 7NW	0.00
Eldorado 10W	0.00		Santa Anna 12SSE	0.07
Fort Griffin	0.21		Silver Valley	0.37
Fort McKavett	0.00		Sonora	0.40
Glen Cove 2NE	0.23		Stamford	0.26
Hamlin	0.25		Sterling City	0.00
Haskell	0.03		Taylor Ranch	0.00
Hords Creek	0.04		Throckmorton 7NE	0.02
Humble Pump	0.00		Water Valley	0.00
Junction 4SSW	0.00		Water Valley 11NE	0.00
Mason	0.01		Winters 1NE	0.75
Menard	0.00		Woodson	0.06
Merkel 12SW	0.30			

Reservoir Conditions (end of March, 2011)

Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	55,790	80
Lake Stamford	52,700	47,560	92
Hubbard Creek Lake	317,800	185,210	58
Hords Creek Lake	8,800	2,580	32
Lake Brownwood	131,428	76,090	58
E.V. Spence	488,760	11,080	2
O.C. Fisher	119,200	1,810	2
O.H. Ivie	554,340	167,100	30
Twin Buttes	177,800	31,890	18

Hydro Products Issued

FLS = 1 (Flood Advisory)

ESF = 1 (Spring Flood Outlook)

ESF = 2 (Probabilistic Forecasts)

The NWS precipitation analysis can be viewed at <http://water.weather.gov/>.

The total monthly precipitation estimate and percent of normal precipitation for March across the San Angelo HSA is depicted below.

